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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: DONALD C. MANN )  
BERT D. COOK, JR. )  
WILLIAM ZEISSNER and )  
ROBERT L. PARKISON )  
SERIAL NO.: 09/426,793 ) GROUP ART UNIT  
FILED: OCTOBER 23, 1999 ) 2876  
FOR: DATA STORAGE DEVICE, APPARATUS AND )  
METHOD FOR USING SAME )  
\_\_\_\_\_  
)

AUG 30 2004  
TECH CENTER 2800

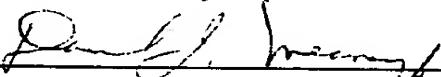
Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

INFORMATIONAL DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. § 1.97(a), this Informational Disclosure Statement is being filed concurrently with an AMENDMENT in the above-identified United States Patent

I hereby certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL NO. ET946015505US in an envelope addressed to:  
Commissioner of Patents and Trademarks,  
Washington, D.C. 20231, on May 10, 2002.

Date of Signing: May 10 2002

Signature: 

Date of Mailing: May 10 2002

Application and includes copies of Prior Art, set forth below, which appears to be pertinent to the invention.

The filing of the Information Disclosure Statement, in accordance with Paragraph (a) of 37 C.F.R. § 1.97, should not be construed as a representation that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

A Form PTO-1449 LIST OF PRIOR ART CITED BY APPLICANT comprising nine (9) sheets are also herewith. Copies of the cited United States Patents are available to the Examiner in the United States Patent Office's electronic search system, and for this reason, copies of the same are not included herewith. Copies of the other cited art including Foreign Cited art are enclosed herewith. If the Examiner's desires copies of the United States Patents, Applicant will be pleased to provide such copies to the Examiner at the request of the Examiner.

ADDITIONAL FEES

The filing fee of \$180.00 is enclosed herewith. No additional fees are deemed due herein. However, if any fees are required for any reason, please charge the same to Deposit Account No. 13-2515.

REMARKS

The cited art includes references cited in a PCT Application which was filed and based on this United States Patent Application.

None of the prior art described above anticipates, discloses, suggests or teaches the invention disclosed in the Specification and claimed herein.

The Examiner is respectfully requested to consider this prior art and to include the same as listed prior art in the United States Patent issuing hereon.

Respectfully submitted



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Dated: May 10, 2002

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## LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT Donald C. Mann et al

FILING DATE  
October 23, 1999GROUP  
2876

## U.S. PATENT DOCUMENTS

EXAMINER	R INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6	1	3	1	8	1	6		10/17/00	Smith		235	475	
	AB	6	0	7	9	6	2	1		06/27/00	Vardanyan et al		235	487	RECEIVED
	AC	5	9	4	1	3	7	5		08/24/99	Kamens et al		206	38	
	AD	5	9	0	1	3	0	3		05/04/99	Chew		711	115	AUG 30 2004
	AE	5	9	0	1	0	1	2		05/4/99	Ishida		360	88	TECH CENTER 2800
	AF	5	8	9	8	6	1	2		04/27/99	Chen et al		365	158	
	AG	5	8	9	5	9	0	9		04/20/99	Yoshida		235	487	
	AH	5	8	9	5	9	0	3		04/30/99	Abe et al		235	380	
	AI	5	8	8	9	2	7	3		03/30/99	Goto		235	492	
	AJ	5	8	8	6	3	3	3		03/23/99	Miyake		235	380	
	AK	5	8	8	4	2	7	1		03/16/99	Pitroda		705	1	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO	
	AL	9	2	1	0	4	8	5		12/7/92	PCT Application W093/1292 08.07.93					
	AM	0	1	9	4	6	7	5		09/17/86	European Pat Appln	4	611B5/71			
	AN	1	0	0	4	1	1	1	8	04/98	Japan Pat Appln(Abstract)				X	
	AO															
	AP															

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	A High Resolution Flying Magnetic Disk Recording System With Zero Reproduce Spacing Loss; B.Gooch, R.Niedermeyer, R.Wood and R.Pisharody
	Pages 4545-4554, IEEE Transactions on Magnetics, Volume 27, No.6, November 1991 (The "Gooch Reference")
AR	One (1) Page Advertising Brochure; SysTECH; Wallet size CDROM;
	Copyright 1999

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EXAMINER R INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA	5	8	8	3	3	7	7	03/16/99	Chapin	235	493			
BB	5	8	8	0	4	4	5	03/09/99	Mori et al	235	380			
BC	5	8	6	9	8	2	3	02/09/99	Bublitz et al	235	380			<b>RECEIVED</b>
BD	5	8	6	6	8	9	1	02/02/99	Fujimoto et al	235	435			
BE	5	8	6	2	1	7	4	01/19/99	Yokota	375	219			AUG 30 2004
BF	5	8	6	1	2	2	0	01/19/99	Coughlin	428	694			TECH CENTER 2000
BG	5	8	5	9	4	1	9	01/12/99	Wynn	235	487			
BH	5	8	5	7	0	7	9	01/05/99	Claus et al	704	33			
BI	5	8	5	2	2	8	9	12/22/98	Masahika	235	492			
BJ	5	8	5	1	6	8	8	12/22/98	Chen et al	428	694			
BK	5	8	4	4	2	3	0	12/1/98	Lalonde	235	487			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BL								
BM								
BN								
BO								
BP								

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

BQ	(One Page) Advertising Brochure; iomega Click! PC Card Drive (40 MB Disk) Iomega Corporation, 1999	
BR	Three (3) Pages / Gold CD Mini Rom (Picture); Back/Front Packaging for CD Mini Rom AOL; America On Line; 1995	

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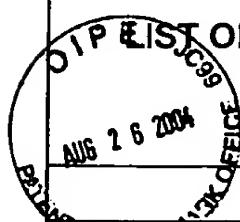
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## U. S. PATENT DOCUMENTS

EXAMINER	INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	5	8	4	4	2	1	8		12/01/98	Kawan et al		235	380	
	CB	5	8	4	3	5	6	5		12/1/98	Davies et al		428	212	
	CC	5	8	3	4	7	5	6		11/10/98	Gutman et al		235	493	
	CD	5	8	2	8	0	5	3		10/27/98	Kinugasa		235	492	
	CE	5	8	2	5	3	9	3		10/20/98	Kocznar et al		347	171	AUG 30 2004
	CF	5	7	8	9	7	3	3		08/04/98	Jachimowicz et al		235	492	
	CG	5	7	7	7	3	0	6		07/07/98	Masuda		235	380	TECH CENTER 2800
	CH	5	7	7	0	9	4	2		06/23/98	Tagchi		342	207.21	
	CI	5	7	6	3	8	6	2		06/09/98	Jachimowicz et al		235	380	
	CH	5	7	4	8	7	3	7		05/05/98	Daggar		380	24	
	CJ	5	7	3	8	9	4	5		04/14/98	Lal et al		428	611	
	CK	5	7	3	4	1	5	4		03/31/98	Jachimowicz et al		235	492	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	5	7	2	3	0	3	3	03/03/98	Weiss	204	192.15			
DB	5	7	2	0	5	0	0	02/24/98	Okazaki et al	360	81			
DC	5	7	1	4	7	4	7	02/03/98	West et al	235	493	RECEIVED		
DD	5	7	1	3	4	0	6	02/03/98	Drury	150	132			
DE	5	6	9	8	8	3	9	12/16/97	Jagielinski	235	493	AUG 30 2004		
DF	5	6	7	9	9	4	5	10/21/97	Renner et al	235	492			
DG	5	6	7	9	9	4	2	10/21/97	Toyama	235	449	TECH CENTER 2000		
DH	5	6	3	7	1	7	4	06/10/97	Field et al	156	256			
DI	5	6	1	2	5	2	6	03/18/97	Oguchi et al	235	375			
DJ	5	6	0	9	2	5	3	03/11/97	Goade	206	460			
DK	5	5	9	8	4	7	4	01/28/97	Johnson	380	23			

## FOREIGN PATENT DOCUMENTS

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							YES	NO
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAMINE R INITIAL	DOCUMENT NUMBER									DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA	5	5	8	8	7	6	3		12/31/96	Nubson et al		400	700	
	EB	5	5	5	9	8	8	5		09/24/96	Drexler et al		380	23	
	EC	5	5	5	7	0	8	9		09/17/96	Hall et al		235	440	<i>RECEIVED AUG 30 2004</i>
	ED	5	5	3	5	0	7	8		07/09/96	Warwick		360	119	
	EE	5	5	3	0	2	3	2		06/35/96	Taylor		235	380	
	EF	5	5	2	1	7	7	4		05/28/96	Parks et al		360	81	<i>TECH CENTER 2800</i>
	EG	5	5	0	9	0	8	3		04/16/96	Abtahi et al		382	124	
	EH	5	4	8	0	6	8	5		01/02/96	Suzuki et al		427	548	
	EI	5	4	6	6	9	1	8		11/14/95	Ray et al		235	380	
	EJ	5	4	5	2	1	4	3		09/19/95	Kamagami		360	2	
	EK	5	4	3	1	7	4	6		07/11/95	Manning et al		148	122	

## FOREIGN PATENT DOCUMENTS

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	EL										
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## U.S. PATENT DOCUMENTS

EXAMINE R INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	FA	5	4	2	6	2	8	6	06/20/95	Nair		235	449	
	FB	5	4	2	1	6	1	8	06/6/95	Okazaki et al		283	82	
	FC	5	4	1	0	1	3	6	04/25/95	Mcintire et al		235	380	RECEIVED
	FD	5	3	9	7	8	8	6	03/14/95	Mos et al		235	475	
	FE	5	3	9	6	5	4	5	03/07/95	Nair et al		379	91	AUG 30 2004
	FF	5	3	9	6	3	6	9	05/7/95	Deland Jr et al		360	2	TECH CENTER 2800
	FG	5	3	6	2	9	5	2	11/08/94	Nair et al		235	449	
	FH	5	3	3	6	8	7	1	10/09/94	Colgate Jr		235	380	
	FI	5	3	2	1	2	4	3	06/14/94	Groves et al		235	449	
	FJ	5	3	1	1	0	0	3	05/10/94	Saroya		235	485	
	FK	5	3	0	9	3	8	8	05/03/94	Maruyama et al		365	87	

## FOREIGN PATENT DOCUMENTS

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	FL															
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
	GA	4	9	7	8	4	0	1		12/18/90	Bonomi	156	64	
	GB	4	9	3	7	4	3	8		06/26/90	Warwick et al	235	446	
	GC	4	9	3	1	6	2	3		06/05/90	Nakamura et al	235	488	RECEIVED
	GD	4	8	5	1	6	1	0		07/25/89	LeBlanc et al	174	35R	
	GE	4	8	3	3	3	1	0		05/23/89	Shimamura et al	235	479	AUG 30 2004
	GF	4	7	9	1	2	8	3		12/13/88	Burkhardt	235	438	TECH CENTER 2000
	GG	4	7	7	7	5	4	0		10/11/88	McCoy	360	2	
	GH	4	7	7	4	6	1	8		09/27/88	Raviv	360	133	
	GI	4	7	0	1	6	0	1		10/20/87	Francini et al	235	449	
	GJ	4	6	8	7	7	1	2		08/18/87	Sugita et al	428	611	
	GK	4	6	2	0	7	2	7		11/04/86	Stockburger et al	283	82	

## FOREIGN PATENT DOCUMENTS

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	GL													
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	R INITIAL	DOCUMENT NUMBER									DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HA	4	6	1	2	4	3	6	09/16/86	Okada		235	449		
	HB	4	5	8	5	9	2	9	04/29/86	Brown et al		235	449		
	HC	4	7	8	6	5	6	4	11/22/88	Chen et al		428	694TS		
	HD	4	6	0	9	8	1	2	09/02/86	Drexler		235	487		
	HE	4	5	9	8	1	9	6	07/01/86	Pierce et al		235	454	AUG 30 2004	
	HF	4	5	3	5	3	6	9	08/13/85	Sawazaki		360	55		
	HG	4	5	3	0	0	1	6	07/16/85	Sawazaki		360	55	TECH CENTER 2800	
	HH	4	4	5	0	9	5	5	05/29/84	Featherston		206	39.6		
	HI	4	3	1	8	1	3	6	03/02/82	Jeffers		360	17		
	HJ	4	2	7	7	8	0	9	07/07/81	Fisher et al		360	131		
	HK	4	1	9	7	9	8	8	04/15/80	Moss et al		235	449		

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APPLICANT Bert D. Cook, Jr. et al

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EXAMINEE R INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IA	4	1	4	1	4	0	0		02/27/79	Mangan		206	39.6	
IB	4	1	0	4	6	8	2		08/01/78	Lehner et al		360	2	
IC	4	0	7	6	1	2	5		02/28/78	Ohsaki et al		209	80.5	
ID	3	8	3	8	2	5	2		09/24/74	Hynes et al		235	61.12M	
IE	3	6	7	7	8	4	3		07/17/72	Reiss		216	22	
IF														
IG	D	4	0	8	3	7	7		04/20/99	Ferchau et al		D14	387	
IH														
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